

canal 21 on the left cover 4. But with the use of 2 blades in the blade chamber of the rotor 1 it can have a perfect seal to the expanding working fluid to prevent it from leaking.

The properly sealed portion on the semi-circular canal 21 on the left cover 4 of the housing or casing 2 with the blade 13 is similarly done also on the right portion of the rotor 1 on the semi-circular canal 20 on the right cover 3 of the housing or casing 2. So, we can finally say now that the moving and unmoving internal parts of the TZUY TURBINE has no working fluid leakage especially on the power side of the blade 13.

We are again going to review for the last time the flow of working fluid in and out of the TZUY TURBINE. The working fluid 27 can be a high pressure water, compressed air, burnt expanding gases or steam under pressure.

From the outside source, the working fluid 27 will enter first the intake pipe 5 then to the external entrance chamber 11 passing through a hole 9 then entering the internal entrance chamber 8. The working fluid 27 will pass the rectangular opening 8a and 8b and entering simultaneously the semi-circular canal 21 in the left cover 4 of the housing or casing and in the semi-circular canal 20 in the right cover 3 of the housing or casing 2. (Please see figure 7) The working fluid 27 (represented by single-head arrow) will push the power side of the protruding blade 13 on the left and right side of the rotor into a rotary motion. As the rotor rotate to complete the cycle the used fluid 28 (represented by double-head arrow) that is left behind on the semi-circular canal 21 on the left cover 4 and on the semi-circular canal 20 on the right cover 3 will be squeezed out by the exhaust side of the protruding blade on the left and right side of the rotor by passing the rectangular opening 7a and 7b then passing through a hole 10. reaching the external exit chamber 12. And finally the used fluid 28 will be squeezed out to the exhaust pipe 6. This is the complete operation of the TZUY TURBINE using the hydraulic machine principle.